

TEXAS DEPARTMENT OF INSURANCE

Engineering Services Program / MC 103-3A 333 Guadalupe Street P.O. Box 149104 Austin, Texas 78714-9104
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PRODUCT EVALUATION

WIN-1854

Effective Date: February 1, 2014

Reevaluation Date: **August 2015**

The following product has been evaluated for compliance with the wind loads specified in the **International Residential Code (IRC)** and the **International Building Code (IBC)**.

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

Series 500 Vinyl Fixed Windows, New Construction, Impact Resistant, manufactured by

Showcase Custom Vinyl Windows and Doors

A product of ENLIGHT Industries, LLC

1702 Cullen Blvd.

Houston, Texas 77023

Telephone: (713) 926-8500

General Description:

System	Description	Label Rating	Design Pressure Rating (psf)
1	Series 500 Vinyl Fixed Windows	FW-R50 48 x 72 Missile Level D	± 50

Component Dimensions:

System	Overall Window Size
1	48.00" x 72.00"

Product Identification (Certification Agency Label on Window):

System		
1	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR 839-301; CAR 839-601
	Product Name	500 PVC Impact Fixed
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05 ASTM E 1886, ASTM E 1996, Missile Level D

Impact Resistance:

System	Impact Resistant	Requirement
1	Yes	These products satisfy the Texas Department of Insurance's criteria for protection from windborne debris in the Inland I and Seaward zone . The assemblies may be installed at any height on the structure as long as the design pressure rating for the assemblies is not exceeded.

Installation: The wood wall framing members shall be minimum Spruce-Pine-Fir dimension lumber. The window is secured to the wall framing using the nailing flange with minimum 8d ring or annular shank nails. The fasteners shall be located approximately 4 inches from each corner and 10 inches on center along the perimeter of the window. In addition, a nominal 1x2 wood (minimum SPF) strip is placed over the nailing flange and secured through the nailing flange to the wall framing with minimum No. 8 x 3" wood screws located approximately 5 inches from each corner and 18 inches on center along the perimeter of the window. The fasteners shall be long enough to penetrate a minimum of 1 ½ inches into the wall framing.

Note: The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.